

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
18 August 2005 (18.08.2005)

PCT

(10) International Publication Number
WO 2005/075018 A1

(51) International Patent Classification⁷: A61N 1/36, 1/34

HAUGLAND, Morten [DK/DK]; Nørre Tranders Vej 10, DK-9000 Aalborg (DK).

(21) International Application Number:
PCT/EP2005/000943

(74) Agent: **SMART, Peter, J.**; Beck Greener, Fulwood House, 12 Fulwood Place, London WC1V 6HR (GB).

(22) International Filing Date: 1 February 2005 (01.02.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0402569.8 5 February 2004 (05.02.2004) GB

(81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

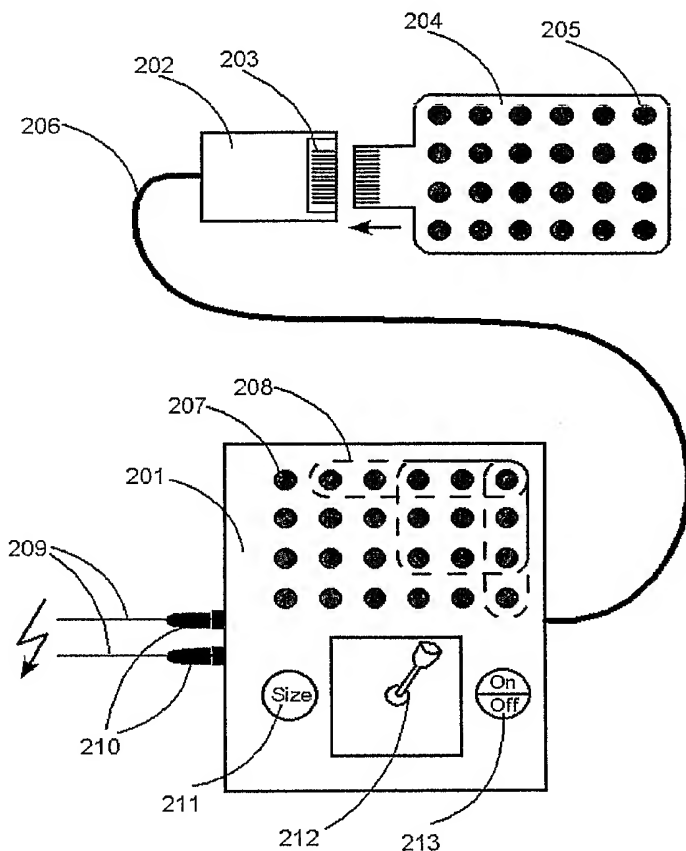
(72) Inventors; and

(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,

(75) Inventors/Applicants (*for US only*): **BIJELIC, Goran** [YU/YU]; Ruzveltova 44, 11000 Belgrade, SCG (YU).

[Continued on next page]

(54) Title: NERVE AND/OR MUSCLE STIMULATION ELECTRODES



(57) Abstract: A nerve or muscle stimulation apparatus comprising: a nerve stimulation array electrode (204) comprising a substrate for application to the skin of a user bearing an array of electrodes (205) arranged to be brought into electrical contact with the skin of a user when the substrate is positioned on said skin; one or more input contacts (209), the or each said input contact being switchably electrically connected to a group of electrodes consisting of some or all of said electrodes; and user operable switch means (201) for performing said electrical connection between the or each said input contact (209) and any selected one or ones of its respective group of said electrodes (205).



ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— *with international search report*

— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.